

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

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1-12. (Canceled)

13. (Currently amended) A process for enzymatic extraction of an insulin or an analog thereof comprising:

preparing a preproinsulin solution;

adding to said solution a non-porous polymeric support having one or more enzymes bonded thereto wherein said enzymes cause a reaction in which an insulin or an analog thereof [are] is cleaved from the preproinsulin solution;

recovering said insulin or [its] analog thereof from the solution; and

wherein said analog retains insulin activity.

14-15. (Canceled)

16. (Previously presented) The process as claimed in claim 13, wherein said enzyme is bonded covalently to the support material with the aid of oxirane groups.

17. (Previously presented) The process as claimed in claim 13, wherein said enzyme is trypsin.

18. (Previously presented) The process as claimed in claim 13, wherein said enzyme immobilized on the support has activity of .05 to .5 U/ml.

19. (Previously presented) The process as claimed in claim 17, wherein said enzyme has an activity of 0.5 to .5 U/ml.

20. (Previously presented) The process as claimed in claim 13, wherein the pH of the reaction is 6 to about 10.

21. (Previously presented) The process as claimed in claim 20, wherein the pH is in the range of about 7 to about 9.

22. (Previously presented) The process as in claim 13, wherein said enzyme polymeric support material is a copolymer of the monomers methacryamide and N,N'-bis(methacrylamide).

23. (Previously presented) The process as in claim 22, wherein said polymeric support material has oxirane group-containing monomers.